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Agenda Date: 4/9/2019

Agenda Placement: 60

## NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

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**TO:** Board of Supervisors

**FROM:** Steven Lederer - Director of Public Works  
Public Works

**REPORT BY:** Mallika Ramachandran, Engineering Manager - 259-8194

**SUBJECT:** Ridgecrest Drive MPM 0.4 Slide Repair (RDS 18-22) - Award of Construction Contract

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### **RECOMMENDATION**

Director of Public Works requests the following:

1. Award of the construction contract for the Ridgecrest Drive MPM 0.4 Slide Repair Project (RDS 18-22, PA-09-CA-4301-PW-01061(0), NANCC10) to Valentine Corporation of San Rafael, California for their low base bid of \$489,369 and authorize for the Chair to sign the construction contract; and
2. Approval of Budget Transfer No. DPW 034 for the following (4/5 vote required):
  - a. Increase appropriation by \$1,017,657 in Measure T non-operating special revenue fund (Fund 2440, Sub-Division 1220053) offset by the use of its available fund balance to fund Storm 2017 Roads Capital Improvement Project as soon as funds become available;
  - b. Increase appropriation by \$1,017,657 in Ridgecrest Drive Project (Fund 2040, Subdivision 2040500, Program S7109) offset by increase in revenue from Measure T funds.

### **EXECUTIVE SUMMARY**

During the storm event that started in January 2017, Ridgecrest Drive, located in the Circle Oaks development in unincorporated Napa County, sustained approximately 200 feet of road slope creep damage and the proposed repair is to reconstruct the road with a 144-foot long concrete grade beam retaining wall. Pavement repair includes 173 feet of roadway re-construction and 219 feet of asphalt re-surfacing.

This project qualifies for federal funding from the Federal Emergency Management Agency (FEMA). The federal match for this project is 75% FEMA, 18.75% California Office of Emergency Services (Cal OES) and 6.25% local match (Measure T). The total estimated project cost (design, project administration, construction and construction management) for Ridgecrest Drive is estimated at \$1,271,803 and FEMA has approved \$309,639. Staff anticipates that FEMA will approve the actual cost incurred for the design and construction of this project.

**FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Fund 2040, SubDivision 2040500, Program S7109. The estimated total project cost is \$1,271,803. The Board previously approved \$254,146 for engineering design and project management/administration. Request today is to advance funds from the County Measure T funds to start construction. FEMA has approved \$309,639 for the Project to date. The federal match for this project is 75% FEMA, 18.75% California Office of Emergency Services (Cal OES) and 6.25% local match. After the Project has been completed, the County will submit actual project costs to FEMA and Cal OES. The reimbursements received from FEMA and Cal OES will be returned to Measure T funds.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	A construction contract must be awarded in order for the road to be repaired and prevent further damage to the roadway.
Is the general fund affected?	No
Future fiscal impact:	Construction will commence in Fiscal Year 2018-19. The future fiscal impact will be limited to routine maintenance of the roads.
Consequences if not approved:	The slide repair for this project will not be completed, the road will continue to fail, and County will forfeit federal funds.
Additional Information:	Measure T funds are disbursed to the Measure T Special Revenue Fund on a quarterly basis. Next disbursement is expected to occur in mid-April and there will be sufficient funds available to transfer to the project budget.

**ENVIRONMENTAL IMPACT**

**Consideration and possible adoption of a Categorical Exemption Class 1:** It has been determined that this type of project does not have a significant effect on the environment and is exempt from the California Environmental Quality Act. [See Class 1 ("Existing Facilities") which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR 15301; see also Napa County's Local Procedures for Implementing the California Environmental Quality Act, Appendix B.] . FEMA has determined that the project qualifies for a categorical exclusion under the National Environmental Policy Act.

**BACKGROUND AND DISCUSSION**

During the storm event that started in January 2017, significant damage occurred at Ridgecrest Drive, which is located in the Circle Oaks development in unincorporated Napa County. Ridgecrest Drive sustained approximately 200 feet of road and downslope bank failure on the northern side of the roadway, where a portion of the road slid down the hillside threatening the remaining portion of the road. The proposed repair for Ridgecrest

Drive is to reconstruct the road with a 144-foot long concrete grade beam retaining wall on Cast-In-Drilled-Hole (CIDH) concrete piles. The concrete piles are approximately 35 feet in length. Pavement repair includes 173 feet of roadway re-construction and 219 feet of asphalt re-surfacing.

The project was advertised for bid on February, 25, 2019. Bids were opened on March 21, 2019 and nine bids were received:

Valentine Coporation, San Rafael, CA:	\$489,369
Team Ghilotti, Inc., Petaluma, CA:	\$531,647
McCullough Construction, Inc., Arcata, CA:	\$535,069
Granite Construction, Santa Rosa, CA:	\$538,186
Rege Construction, Cloverdale, CA:	\$556,425
Hillside Drilling, Point Richmond, CA:	\$608,369
Syblon Reid, Folsom, CA:	\$609,000
Gordon M. Ball, Alamo, CA:	\$620,160
Northern Pacific Inc., Napa, CA	\$686,060

The successful bidder is Valentine Corporation of San Rafael, California for their low base bid of \$489,369. Valentine Corporation is not a local vendor.

The project is federally funded and the Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) requirements must be met. The contractor completed the necessary Disadvantage Business Enterprise (DBE) Forms and Good Faith Effort documentation. The Director of Public Works is recommending award to Valentine Corporation, California and authorization for the Chair to sign the construction contract for the project.

The total estimated project cost (design, project administration, construction, and construction management) for Ridgecrest Drive MPM 0.4 Slide Repair is \$1,271,803. FEMA has approved \$309,639, and on April 10, 2018, the Board of Supervisors appropriated \$254,146 for the engineering design and project management/administration of the Ridgecrest Drive Slide Repair.

In the 2017 Storm event, staff and the county's consultant performed site visits to evaluate the damage and to develop emergency protective measures to prevent additional road failure and to make the road safe for the public. There were various coordination and site visits with FEMA and Cal OES to assess the damage and to develop the preliminary scope of work, engineer's estimate, photos and engineering reports for the FEMA disaster recovery process. Staff participated in subsequent site visits with FEMA/Cal OES's environmental and hazard mitigation coordinators to review the project for environmental impacts and NEPA clearance and potential hazard mitigation inclusions into the project. Staff also coordinated with internal stakeholders and participated in monthly meetings to provide status on the FEMA disaster recovery process.

Staff coordinated with FEMA/Cal OES on the development of the project worksheet (PW) and inclusion of hazard mitigation components into the project. On July 1 2018, the board awarded design of the project to ADKO engineering. The design required the services of various disciplines including survey; geotechnical investigation and recommendations for the Cast-In-Drilled Hole (CIDH) wall design; structural/civil engineer to design the retaining wall, CIDH piles, drainage system, and roadway pavement repair and slope erosion/sediment control; environmental consultant to perform biological and cultural resources survey and secure CEQA clearance. There are also construction constraints including overhead and underground utility lines which required utility coordination with utility agencies such as PG&E (electrical lines), Circle Oaks Water District (for water and sewer systems), and AT&T (for communication lines). The construction phase requires the services of structural/civil,

geotechnical, and resident engineer, and county staff to administer the construction process and resolve technical issues that may arise during construction. Special construction inspection is also required to make sure the project is built per design standard plan and specification.

Based on the above due diligence, staff was able to develop a cost effective design and expedite the design and environmental clearance and advertise the project for bid in a favorable bid season and secure very competitive bids. The bids for this project varied from \$490K to \$690K. There was an economy of scale benefit because Sunnyhill Drive and Ridgecrest Drive were advertised for bid concurrently.

The estimated project budget is \$1,271,803. On larger projects, the soft cost such as administration, project management, and design and construction management is approximately 40% of the project cost. For smaller projects such as this one, there are some fixed costs and typically the soft cost for project delivery is about 60% of the project budget. The construction cost with contingency is \$587,243; the design and engineering budget is \$204,146 (which includes the preliminary site visits and development of engineer's report and estimates, etc.); County's project management is \$150,000 (which includes the various coordination with FEMA/OES/internal stakeholder, utility agencies, emergency protective measures, etc.); construction management is \$175,000; special inspection \$50,000; permits/post construction monitoring is \$10,000; project contingency is \$95,415 (a contingency is requested because there are unknowns at the project site that may require additional design and coordination with utility agencies; and there is project closeout process with FEMA/Cal OES). Minus the project contingency, the soft cost for this project is approximately \$589,145 at 46% of the project budget.

Construction is anticipated to commence in May 2019 and to be completed in September 2019.

Staff outreach to the local construction contractor community included advertising the request for bids in the Napa Valley Register, the Solano-Napa Builder's Exchange, and by posting on DBEGoodFaith.com and the County website. Staff also sent "Notices to Contractors" to the local construction community. Once the construction contract is awarded, the County will contact the Napa County Workforce Investment Board (WIB) and will require the successful contractor to contact the WIB informing them of hiring needs.

## **SUPPORTING DOCUMENTS**

### **A . BUDGET RIDGECREST**

CEO Recommendation: Approve

Reviewed By: Leigh Sharp